ASSIGNMENT - 1

Note:

- For every lab assignment report should be submitted via moodle.
- Format of the report: SQL Queries and screenshot of all the tables and Output.

1. Write SQL statements for:
   Create a table flights with following information:

   FLIGHT(flno, fromplace, toplace, distance, departs, arrives)

a. Inserting data into the flight with five entries.
b. Altering table by adding new column price.
c. Deleting a row from the table.
d. Drop column distance.
e. Enter any one row with a price value accepting the Null value and then update it to a particular price.
f. Delete all the data from the table.
g. Rename a column price to journey_price.

2. Consider the following schema for a Library Database:

   BOOK (Book_id, Title, Publisher_Name
   Pub_Year)

   BOOK_AUTHORS (Book_id, Author_Name)

   PUBLISHER (Book_id, Name, Address, Phone)

a. Enter at least five tuples for the given relation.
b. Retrieve details of all books in the library – id, title, name of publisher, authors, etc.
c. Get the books written by a particular author.
d. Delete a book in the BOOK table.
e. Update the phone number of a publisher.
f. Through book_id retrieve the details of author name and publisher details.
g. Drop Author_Name column from BOOK_AUTHORS.
h. Rename Name (from Publisher) to Publisher_name.

3. Consider the following schema for OrderDatabase:

   SALESMAN (Salesman_id, Name, City, Salary)

   CUSTOMER (Customer_id, Cust_Name, City, Salesman_id)

   ORDERS (Ord_No, Purchase_Amt, Ord_Date, Customer_id, Salesman_id)

   Write SQL queries to

a. Insert 5-10 entries.
b. Retrieve the details of all the customers and orders.
c. Get the customers handled by a particular salesman.
d. Get the details of orders purchased by customers.

e. Through salesman_id retrieve the details of his sold orders.
f. One of the salesmen is getting a raise of 2000 and is getting relocated to Delhi. update his data.
g. Delete an order and its details as the customer placed an order and canceled it.
h. Rename the City column to Place.
i. Drop purchase_amt column from the table orders.
j. Drop the table salesman.

4. Write SQL statements for the following:

Create a table sub with following information: columns and data types: name varchar(8), age number(5), mark1 number(4), mark2 number(4), mark3 number(4);

a. Enter at least five tuples for the given relation.
b. Add one more column with field name as total with data type as number(5).
c. Update the age of sub for a particular student.
d. Deleting a row from the table.
e. Drop column mark3.
f. Modify the table by changing the data type of ,mark3 to number(6)
g. Delete all the data from the sub table.
h. Delete the table.